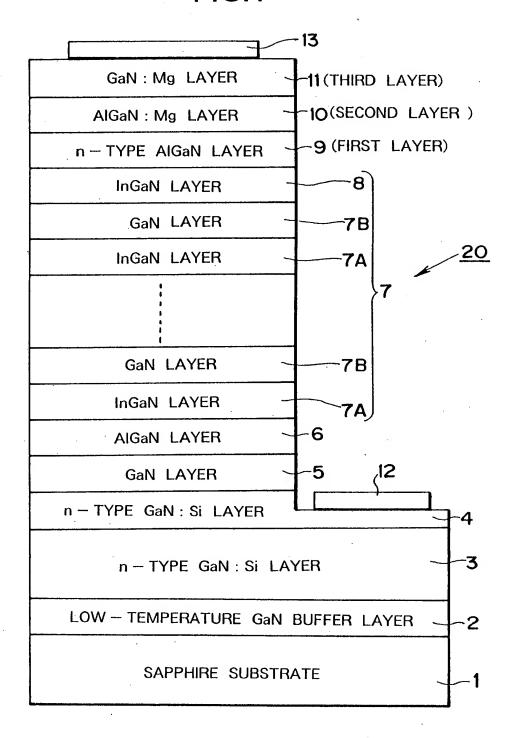
FIG.1



	EMISSION CHARACTERISTIC	LUMINOUS INTENSITY mcd	1505	405	1459	280	75.	640	334	172	06	499	707
	SECOND LAYER CHARACTERISTICS	CARRIER DENSITY cm ⁻³	6 x 10 18	6 x 10 ¹⁸	3 x 10 ¹⁸	1 × 10 ¹⁷	1 x 10 ¹⁷	5×1016	5 x 10 ¹⁵	5 x 1016	5×10 ¹⁵	5 × 10 ¹⁵	5 x 10 ¹⁵
	SECOND LAYER CHARACTERISTIC	CONDUCTIVITY	d	Q	۵	c	u	Q.	Ľ	۵	c	C	п
FIG.2	SITIONS	Mg FLOW RATE sccm	009	009	300	100	100	009	009	009	009	009	009
正	LAYER GROWTH CONDITIONS	Al	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.15	0.15
	1	THICKNESS	550	092	250	250	750	250	250	750	750.	250	250
	SECOND	GROWTH TEMPERATURE °C	0001	1000	1000	1000	1000	900	800	006	800	800	800
		THICKNESS A	110	110	110	110	110	110	110	110	110	110	55
·	·	·	EXAMPLE 1	EXAMPLE 2	EXAMPLE 3	EXAMPLE 4	COMPARATIVE EXAMPLE 1	EXAMPLE 5	EXAMPLE 6	COMPARATIVE EXAMPLE 2	COMPARATIVE EXAMPLE 3	EXAMPLE 7	EXAMPLE 8

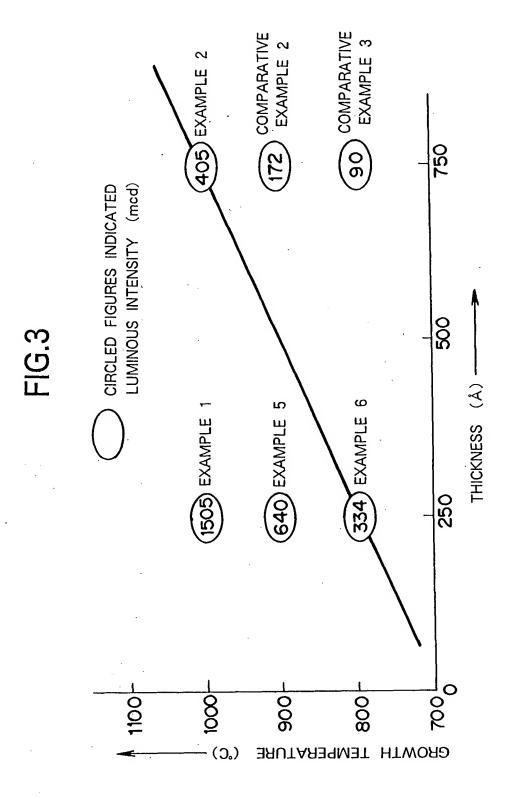


FIG.4

	FIRST I AYFR	SECOND	1 1	LAYER GROWTH CONDITIONS	NDITIONS	SECOND	SECOND LAYER CHARACTERISTICS	EMISSION CHARACTERISTIC
	THICKNESS	GROWTH TEMPERATURE °C	THICKNESS	Al	Mg FLOW RATE sccm	CONDUCTIVITY	CARRIER DENSITY cm-3	LUMINOUS INTENSITY mcd
EXAMPLE 9	180	1050	250	0.05	009	Ο.	2×10 ¹⁸	1526
EXAMPLE 10	180	1040	250	0.05	009	۵	2×10 ¹⁸	0601
EXAMPLE 11	180	1040	250	0.025	009	۵	3 x 10 ¹⁸	923
EXAMPLE 12	180	1000	250	0.05	909	۵	6 x 10 ¹⁸	1353
EXAMPLE 13	180	800	250	0.05	600	C	5x 10 ¹⁵	994
EXAMPLE 14	180	800	250	0.05	800	ב	2×10 ¹⁷	854
EXAMPLE 15	180	800	250	0.1	009	C	5×10 ¹⁵	1289
EXAMPLE 16	180	800	250	0.15	009	n	5 x 10 ¹⁵	1051